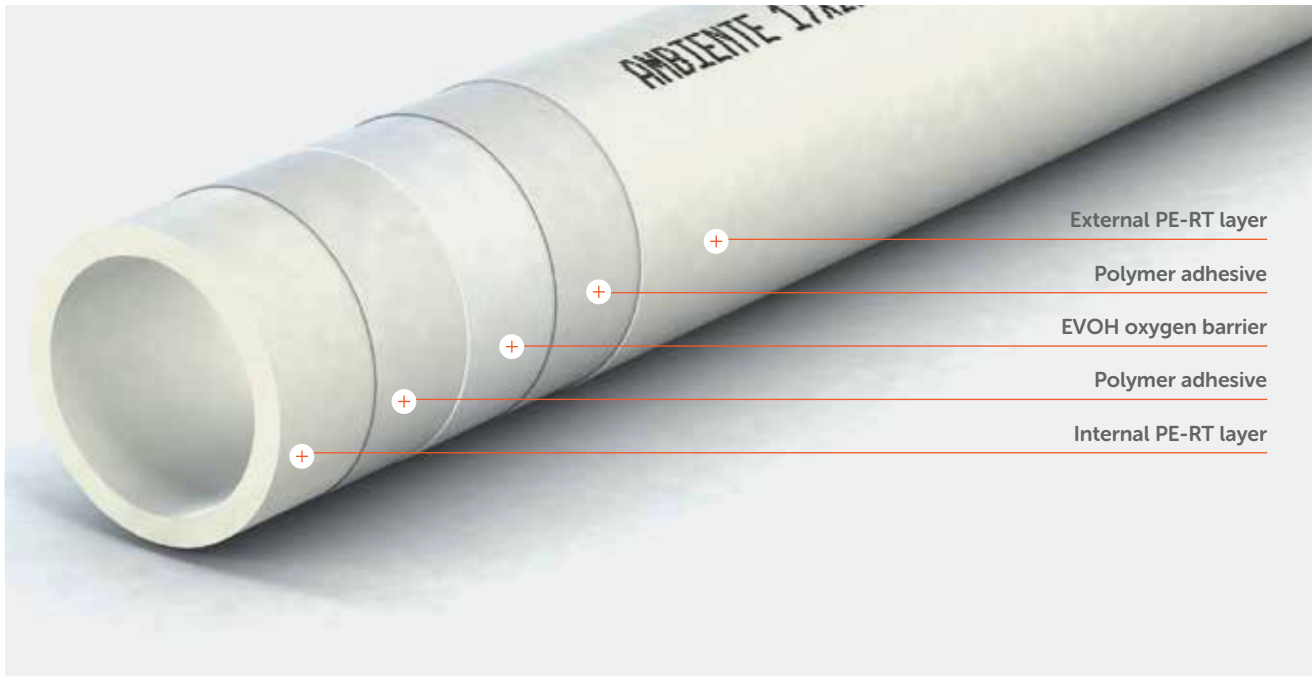


AMBIENTE PE-RT PIPE

ambiente®

more than underfloor



PRODUCT OVERVIEW

PE-RT pipe

PE-RT stands for 'polyethylene of raised temperature resistance'. Polyethylene has excellent properties at high pressures and temperatures as well as being very flexible and easy to use. It is non-corrosive, frost-resistant, creep-resistant and has a high impact strength. If the pipe is distorted, or even kinked, it can be reworked to its original shape very easily. The outer layer protects the oxygen barrier from mechanical damage, moisture and other damaging materials.

Polymer adhesive

This is a specialist, flexible adhesive layer between the polyethylene and the oxygen barrier.

EVOH oxygen barrier

The oxygen barrier, as its name suggests, prevents the diffusion of oxygen into the heating system. This is of particular importance with underfloor heating, due to the large floor area covered by the pipework, and therefore the large surface area for potential oxygen diffusion. Our pipework prevents any oxygen diffusion up to working temp of 80 degrees, and very little above that level (most UFH systems operate around 50 degrees)

Ambiente pipework is designed to be installed with no joints in the floor, only at the manifold connection. If pipework is damaged after installation, it can be repaired with a compression fitting, although this is not guaranteed by Ambiente.



LIFETIME PIPEWORK
GUARANTEE

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